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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/075,780
Filing Date	February 12, 2002
First Named Inventor	Yoo, Sung-Joo
Group Art Unit	2633
Examiner Name	Agustin Bello

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Total Number of Pages in This Submission

Attorney Docket Number

18062C-39.10US

Technology Center 2600

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Return Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.

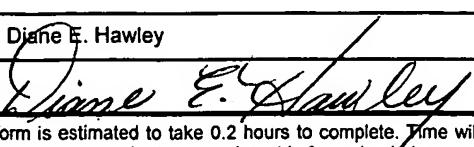
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP	Reg. No. 27,301
Signature		
Date	December 17, 2002	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date:

December 17, 2002

Typed or printed name	Diane E. Hawley
Signature	
	Date
	December 17, 2002

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PA 3271861 v1

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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 200

Complete If Known

Application Number	10/075,780
Filing Date	February 12, 2002
First Named Inventor	Yoo, Sung-Joo
Examiner Name	Agustin Bello
Group Art Unit	2633
Attorney Docket No.	18062C-39.10US

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METHOD OF PAYMENT (check all that apply)

 Check Credit Card MoneyOrder Other None
 Deposit Account:

Deposit Account Number 20-1430

Deposit Account Name Townsend and Townsend and Crew LLP

The Commissioner is authorized to: (check all that apply)

-
- Charge fee(s) indicated below
-
- Credit any overpayments
-
-
- Charge any additional fee(s) during the pendency of this application
-
-
- Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	740	2001	370	Utility filing fee	
1002	330	2002	165	Design filing fee	
1003	510	2003	255	Plant filing fee	
1004	740	2004	370	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims	Fees from below	Fee Paid
Total Claims				
Independent Claims				
Multiple Dependent				

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Fee Code	Fee (\$)	Small Entity	Fee Code	Fee (\$)	Fee Description	Fee Paid
	1051	130		2051	65	Surcharge - late filing fee or oath	
	1052	50		2052	25	Surcharge - late provisional filing fee or cover sheet	
	1053	130		1053	130	Non-English specification	
	1812	2,520		1812	2,520	For filing a request for reexamination	
	1804	920*		1804	920*	Requesting publication of SIR prior to Examiner action	
	1805	1,840*		1805	1,840*	Requesting publication of SIR after Examiner action	
	1251	110		2251	55	Extension for reply within first month	
	1252	400		2252	200	Extension for reply within second month	200
	1253	920		2253	460	Extension for reply within third month	
	1254	1,440		2254	720	Extension for reply within fourth month	
	1255	1,960		2255	980	Extension for reply within fifth month	
	1401	320		2401	160	Notice of Appeal	
	1402	320		2402	160	Filing a brief in support of an appeal	
	1403	280		2403	140	Request for oral hearing	
	1451	1,510		1451	1,510	Petition to institute a public use proceeding	
	1452	110		2452	55	Petition to revive – unavoidable	
	1453	1,280		2453	640	Petition to revive – unintentional	
	1501	1,280		2501	640	Utility issue fee (or reissue)	
	1502	460		2502	230	Design issue fee	
	1503	620		2503	310	Plant issue fee	
	1460	130		1460	130	Petitions to the Commissioner	
	1807	50		1807	50	Petitions related to provisional applications	
	1806	180		1806	180	Submission of Information Disclosure Stmt	
	8021	40		8021	40	Recording each patent assignment per property (times number of properties)	
	1809	740		2809	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
	1810	740		2810	370	For each additional invention to be examined (37 CFR § 1.129(b))	
	1801	740		2801	370	Request for Continued Examination (RCE)	
	1802	900		1802	900	Request for expedited examination of a design application	
	Other fee (specify) _____						

*Reduced by Basic Filing Fee Paid SUBTOTAL (3)

(\$200)

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Kenneth R. Allen	Registration No. (Attorney/Agent)	27,301	Telephone	650-326-2400
Signature	<i>Kenneth R. Allen</i>			Date	December 17, 2002

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#4 Am dt A
SMW 1-2-03

PATENT
Attorney Docket No.: 18062C-39.10US
Client Ref. No.: 2001-189-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SUNG-JOO YOO

Application No.: 10/075,780

Filed: February 12, 2002

For: METHOD AND APPARATUS FOR
OPTICAL SIGNAL PROCESSING
USING SUBCARRIER MULTIPLEXED
HEADERS

Examiner: Agustin Bello

Art Unit: 2633

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AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action mailed July 17, 2002, please amend the above-identified application as follows:

IN THE SPECIFICATION:

On page 1, line 25, paragraph 04, after "First" insert --,. On page 1, line 31, paragraph 04, delete "of the" second occurrence.

[04] While the integration of data networking and optical networking is a key to the next generation optical Internet, all-optical signal processing techniques involving optical headers are still premature for practical system applications. All-optical signal routing control has been suggested through the technique of Optical Label switching. Optical Label switching incorporates a short optical label at wavelengths adjacent a data signal wavelength, the label containing routing information in its modulation. There are two key challenges in implementing Optical-Label switching systems and routers. First, there is a stringent requirement for viable optical header processing and optical switching technologies, specifically, optical label switching networks will require a simple and effective method to swap headers in real time without